

**TYNDALL AFB, FLORIDA**  
**SP0600-04-R-0060**  
**QUESTIONS AND ANSWERS, Version V**  
**June 15, 2004**

**QUESTION 1:** Do you have a spreadsheet of lift stations and their associated information, like location, building size, discharge point (like to another LS or to gravity pipe going to the Bay County plant) GPM, number of pumps, HP, condition, piping size, wet well diameter and depth?

**ANSWER 1:** No, there is no complete spread sheet with all the specified information. Attached is a spread sheet from the real estate office. Many of the facilities have their own single (1) lift stations, many have never been identified. There are over 70 different lift stations.

**QUESTION 2:** If not, are all but the five large lift stations basically a 4' diameter concrete or plastic wet well approximately 8' deep with a concrete top and a metal hinged hatch, with submergible pumps and mercury float switches and a simple Hand/On/Off/Auto control box above ground?

**ANSWER 2:** There is no base standard for control and retention tank. Facility 1722 and 125 uses a Bubbler – Trip Mercury Switch, Facility 1621 and 1448 uses a SY Max Electrode/Controller, Facility 2873 uses a transducer pressure switch with override control. Some pumps are submerge and required a crane for periodic maintenance and repair others are above ground.

**QUESTION 3:** Do you have any information about the 5 large lift stations and associated pump buildings?

**ANSWER 3:** Facility 1722 3 – 200 hp, Facility 1621 50 hp (1500 gpm), 3 30 hp (750 gpm), Facility 1448 50 hp (900 gpm), 2 – 30 hp (450 gpm), Facility 2873 2 – 30 hp (550 gpm), Facility 125 2 – 15 hp (500 gpm), Facility 86 2 – 15 hp, Facility 9441 2 – 25 hp.

**QUESTION 4:** What has been the typical type of repair or maintenance problem and/or annual cost to maintain/repair lift stations?

**ANSWER 4:** Cleaning pumps.

**QUESTION 5:** Which LS have the 4 generators? It appears the lift stations with the four 15 HP pumps, the two lift stations with the 30 HP pumps and the lift station with the 50 HP pumps have the generators (LS #32, 34, 38, 39). Is this correct?

**ANSWER 5:** Facility Site 1722 0 600 kw, 1621 – 100 kw, 1448 – 125 kw, 3184 – 15 kw, 2873 – 100 kw, 2325 - 15 kw, 2401 – 35 kw, 125 – 60 kw, 318 – 15 kw and Silver Flag Waste Water Treatment Plant – 150 kw. Generators per military code require bi-monthly inspection and operations, once a month a 1 hour operation, bi-monthly a 6 minute operation.

**QUESTION 6:** What typical types of daily or weekly or monthly inspections or maintenance do you perform on the LS and approximately how many hours a week does this take?

**ANSWER 6:** Every day a daily inspection is performed to verify main lift stations are operational. The base maintenance crew (4 individuals) spend about 60% of there time in performing daily inspection the other 40% of the time is for maintenance, repair, and plant operation. Pumps are lubricated on a semi and annual schedule. They are also responsible for repair of damage systems caused by other base contractors.

**QUESTION 7:** It appears all lift stations are duplex except for 5 stations that have 4 pumps. Is that correct?

**ANSWER 7:** Most of the lift stations are duplex; others are 3 pumps or 1 pump. None of the lift stations are 4 pumps.